RITUVENDRA SINGH

Master's student

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EDUCATION

IIIT Allahabad Sep. 2020 – May 2022
Master of Technology (M. Tech) in IT with a specialization in Software engineering ***CGPA: 9.3/10***

Madan Mohan Malaviya University of Technology, Gorakhpur May 2018
Bachelor of Technology (B. Tech) in Computer Science & Engineering ***Graduated in First Division***

RELEVANT COURSEWORK

- Data Structures
- Algorithms Analysis
- Database Management
- Operating System

TECHNICAL SKILLS

Programming Languages C, C++, Java, Python (Basic), HTML/CSS, SQL
Developer Tools Jupyter, Netbeans, MySQL , VS Code, Eclipse, Google Colab, Android Studio
Technologies/Frameworks Git, Android, Linux, LaTeX

EXPERIENCE

IIIT Allahabad | *Teaching Assistant* **Jan 2021 – Present**
- Course -Software Engineering. The course had more then 200 students enrolled. Gave four hours weekly tutorial-Practical sessions for 40 students for 1 semester. Graded all written and programming assignments, final exams and projects.
- Supervised six project teams on developing Android, Web and Desktop applications for Software engineering projects.

Health-OK | *Software Engineer Intern* **May 2017 – Aug 2017**
- Worked on live project "HealthOK" and development of an Healthcare service based Android application. Major duties include requirements gathering, documentation, software development, testing and support as per tools and company protocols under guidance of technical leadership team.
- Technology stack: Java , Android application development , SQLite , AngularJS , HTML/CSS , Object Oriented Design

PROJECTS & RESEARCH

Healthcare provider's Fraud Detection | *Python, Machine learning, Data Structures, Google Colab* **January 2021**
- Performed Fraud detection using Python and Google Colab Console on Payment details dataset of Medicare providers.
- Implemented Fraud detection task using various machine learning approaches and compared their performance.
- Used Google AI Tabnet Machine learning model and achieved Final Test AUC score of 92%

Sentiment Analysis of drug reviews using CNN | *Python, Machine learning* **January 2021**
- In this project sentiment analysis of user generated drug reviews on online health forums is done using CNN Model.
- Project is done using Jupyter notebook in Python language. Further exploratory data analysis is done for deep analysis of dataset.

Android application for children with Autism Spectrum Disorder (ASD) | *Java, Android* **November 2020**
- Created an Android application using Java and Android Studio to for overall development of people with impaired communication and social interaction skills.
- It includes interactive puzzles, identifying Objects, communication using pictures and symbols, etc. can be used to promote an individual's literacy, leisure, communication as well as social interaction skills.
- Technology stack: Java , Android application development , Data Structures, Object Oriented Design.

ACHIEVEMENTS / EXTRACURRICULAR

- Qualified Graduate Aptitude Test in Engineering in CS \IT Stream
- NPTEL certification in *'Introduction to modern application development'* with ELITE (top 5%) grade by IIT Madras
- Participated in various Sports activities at college level

LEADERSHIP / INVOLVEMENT

IIIT Allahabad, Training and Placement Team | *Member* **May 2021 – Present**
- Worked within a team environment. Participated in coordination and organization of Training and Placement cell's activities.